

## COURSE DETAIL

### MARINE ECOLOGY

**Country**

Netherlands

**Host Institution**

Wageningen University and Research Center

**Program(s)**

Wageningen University

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Biological Sciences

**UCEAP Course Number**

11

**UCEAP Course Suffix****UCEAP Official Title**

MARINE ECOLOGY

**UCEAP Transcript Title**

MARINE ECOLOGY

**UCEAP Quarter Units**

2.50

**UCEAP Semester Units**

1.70

## Course Description

This course introduces the functioning of marine and estuarine ecosystems. The structure is centered around marine processes, systems, and impacts.

The course introduces marine and estuarine ecology through lectures, a field practicum, and a day trip to a tropical marine ecosystem. Lectures cover a wide range of topics and ecosystems including the most recent scientific insights and hot topics in marine ecology. During the lectures, important physical, chemical, and biological processes of the marine and estuarine environment are explained. The processes and ecological principles are illustrated more in-depth using examples from various estuarine and marine ecosystems. The influence of global change and other human impacts on coastal and marine areas, such as eutrophication, chemical pollution, and plastics, are also discussed. Lectures include guest lecturers from scientific institutes (NIOZ, Utrecht University, Wageningen Marine Research), the Zoo (Burgers Zoo), and PhD students to introduce students to current issues and trending topics in the field of marine ecology. The lectures are complemented by a field practical to gain experience with marine ecology research methods. Students also go on an excursion to the coral reef and mangrove display of Burgers Zoo, during which students get acquainted with the complex interactions in tropical ecosystems.

## Language(s) of Instruction

English

## Host Institution Course Number

AEW10303

## Host Institution Course Title

MARINE ECOLOGY

## Host Institution Campus

Wageningen University

## Host Institution Faculty

## Host Institution Degree

**Host Institution Department**

Aquatic Ecology and Water Quality Management

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